

Kindly replace Paragraph 0019 with the following:

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sub B¹

If such a (0/450unv/0) transposition is performed for a two-pole turbo generator with a two-layer winding (consisting of bars with, for example, two stacks of shrouds; a total of 100 shrouds), significant improvements are achieved in comparison to the standard transposition according to *Willyoung*. Fig. 5 shows the amplitudes of the shroud currents (related to the nominal value), at nominal load, on top of the number of the respective shroud. Graph (a) hereby relates to the standard (0/450/0) transposition, graph (b) to the novel (0/450unv/0) transposition. It can be clearly seen that this invention is able to almost completely eliminate the circulating currents (max. shroud currents are max. 20% above reference value). This provides a construction of a Roebel bar without end winding transposition that makes it possible to effectively suppress the circulating currents.

IN THE CLAIMS:

Kindly replace claim 1 as follows:

- a⁹
sub B⁸
1. (Amended) A stator winding bar for an electrical machine, comprising:
a plurality of shrouds arranged in stacks on top and next to each other;
an active part extending along a winding slot of the stator laminated core, said active part being adjoined on each of both sides by an end winding, whereby said active part is divided in length into a central middle part and two border zones of equal length enclosing the central middle part, and whereby the shrouds of the stator winding bar are transposed in the active part according to the manner of a Roebel bar with each other by approximately 450°, of which 270° are on the middle part and 90° each are on the two border zones, while

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the shrouds in the end windings extend without transposition parallel to each other,
characterized in that, for the compensation of the external fields that act in the region of the
end winding and induce circulating currents, the middle part of the active part has a length
that is greater than $3/4$ of the total length of the active part.
